

# Penguin's - Autumn Term 1



## What is under our feet?

### Topic Driver – Geography



### Topic outcome:

A classroom gallery.

#### ENGLISH

I write a non-narrative using simple organisational devices such as headings and sub-headings to aid presentation.

I use a range of sentences with more than one clause by using a wider range of conjunctions in my writing. (when, if, because, although)

I recognise and use determiners 'a', 'an' and 'the' appropriately. (an apple; a house; the yellow car /the an a)

I form nouns using a range of prefixes. I increase the legibility, consistency and quality of my handwriting.

I understand which letters, when adjacent to one another, are best left unjoined.

I use the diagonal and horizontal strokes that are needed to join letters.

I begin to use inverted commas for some direct speech punctuation.

I use the first two or three letters of a word to check its spelling in a dictionary. Write from memory simple sentences, dictated by the teacher, that include words and punctuation taught so far.

#### PSHRE – UKS1/LKS2

During PSHRE we will list some of the effects of sleep deprivation; explain the effect of exercise on the heart; know how to get help for themselves or another in the case of serious problems; explain why eating a balanced diet is important; know how to check medicine instructions and know how to inhibit the spread of germs.

#### PSHRE – UKS2

We will learn about how to take care of our bodies. This will involve learning about consent and autonomy, learning about body image and stereotypes and learning about substances which are harmful to our bodies.

Journey to the centre of the Earth

Writing Outcomes

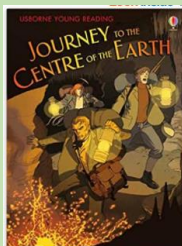
Writing in Role

Journey to the centre of the Earth

Writing Outcomes

Invention: We will be writing a journey story focusing on character description.

#### NOVEL STUDY



#### Geography

- Use prediction and prior knowledge to find out about unknown places, and combine this with observation.
- Use a range of primary and secondary sources, including the internet, Google Earth.
- Identify the parts of a volcano, and land use around and how these can change people's lives.
- Use atlases which show physical and human features.

#### T4W Unit

EARTHQUAKES and NATURAL DISASTERS

Innovation – Model text will be about natural disasters.

Invention – “How do volcanoes erupt?”

#### COMPUTING

Coding - We will use purple mash to use algorithms to control movement, create and debug simple programs, make appropriate choices in simulations and models. Also we will understand the importance of clear and precise instructions

#### PE

We will develop skills in running, jumping, throwing and catching in isolation and in combination. Play competitive games.

#### CREATIVE

In art lessons, we will investigate and respond to the work of Paul Klee, Victor Vasarely and Henri Matisse.

During music lessons we will Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy.

In MFL listen to simple phrases with growing understanding and use basic key vocabulary and build on this through listening, practice, trial, and error.

#### MATHS

##### Number – Place Value – LKS2

Estimating numbers using different representations, 10 and 100 more or less, place value of 3-digit-numbers, compare and order up to 1000, read and write numbers up to 1000. Multiples of 4, 8, 50 and 100.

##### Number – Place Value – UKS2

Reading, writing, ordering and comparing numbers to 1,000,000. Rounding up and down. Read Roman Numerals. Reasoning and problem solving

##### Number- Addition and Subtraction – LKS2

Add and subtract numbers mentally. Add and subtract numbers up to 3-digits using written methods. Estimation. Solving problems.

##### Number- Addition and Subtraction – UKS2

Adding and subtracting up to two 4-digit numbers. Column Method. Round to estimate and approximate. Inverse operations. Multi- step problems.

##### Statistics – UKS2

Interpret charts. Read, interpret, and draw line graphs and tables. Use line graphs to solve problems. Use of timetables.

#### SCIENCE – UKS1/LKS2

##### Light and dark

Recognise that they need light in order to see things and that dark is the absence of light Notice that light is reflected from surfaces. Recognise that light from the sun can be dangerous and that there are ways to protect eyes. Recognise that shadows are formed when the light from a light source is blocked by a solid object Find patterns in the way that the sizes of shadows change.

#### SCIENCE - UKS2

##### Animals including humans

Describe changes as humans develop to old age. Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. Describe the ways in which nutrients and water are transported within animals, including humans.